

1/6

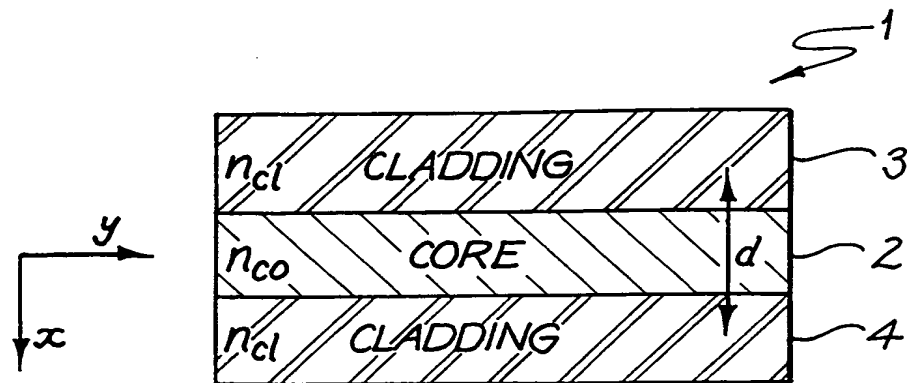


FIG. 1

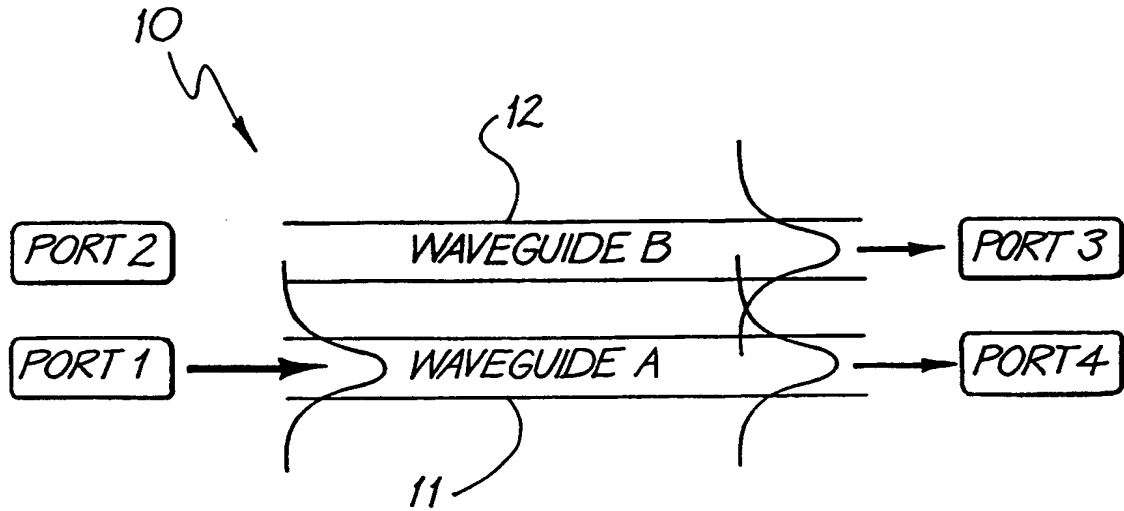


FIG. 2

2/6

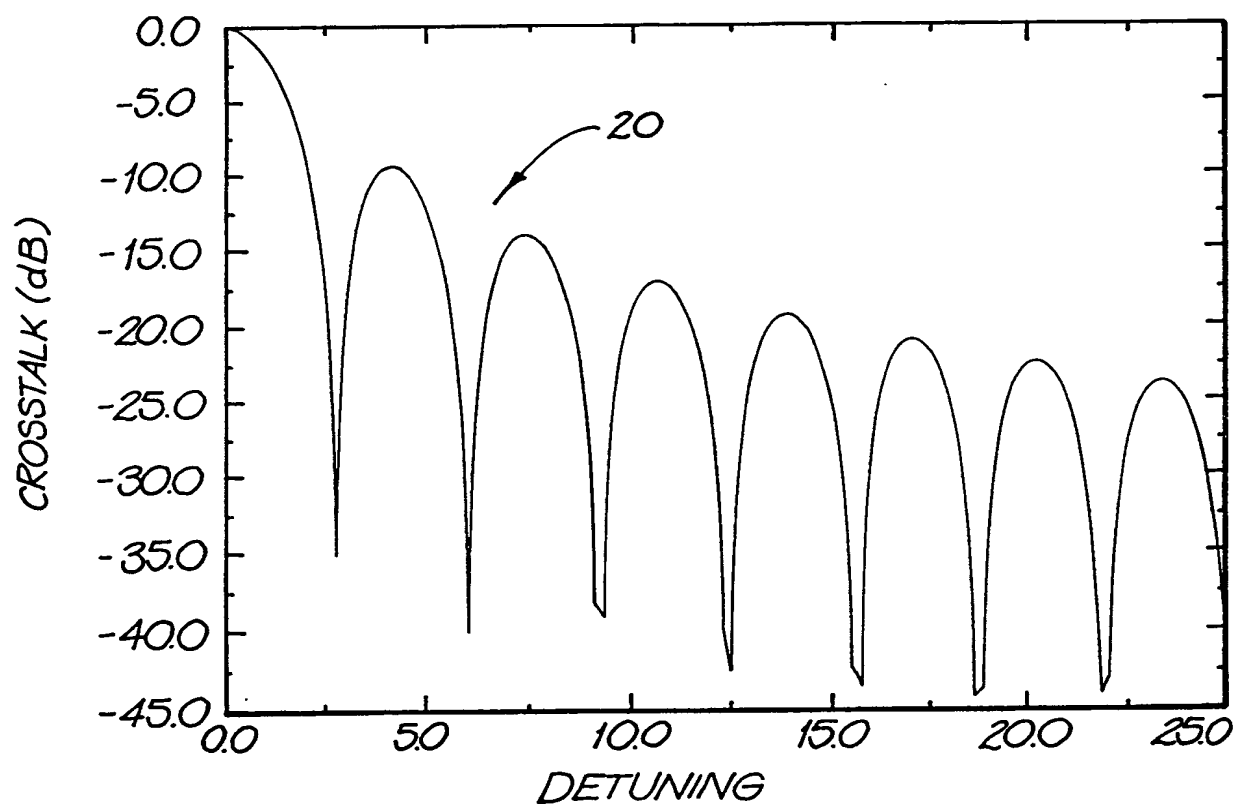


FIG. 3

3/6

SCHEMATIC & EFFECTIVE INDEX TAPERS OF A  
TYPICAL DIGITAL DIRECTIONAL COUPLER IN THE  
CROSS (SOLID) & BAR (DASHED) STATES.

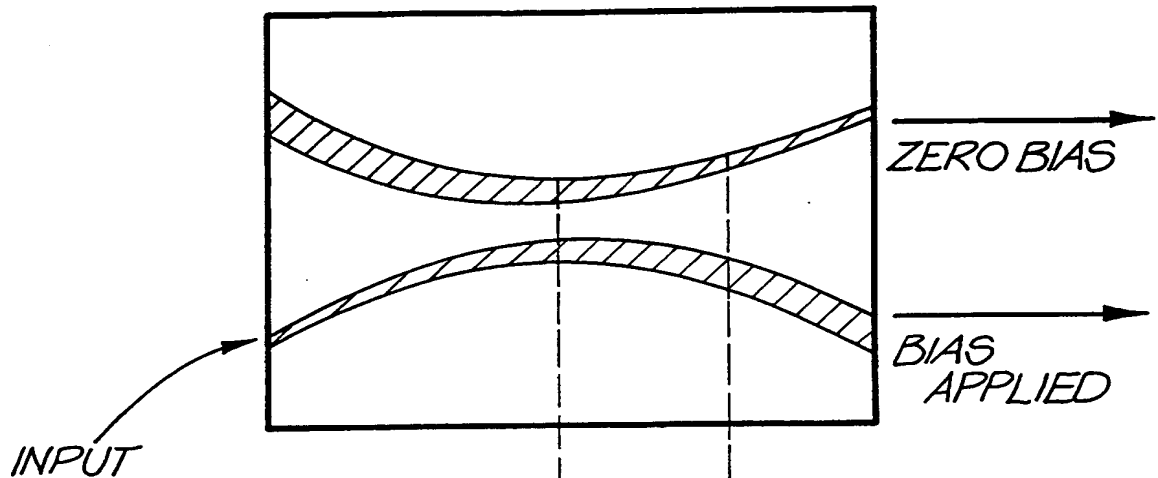


FIG. 4a

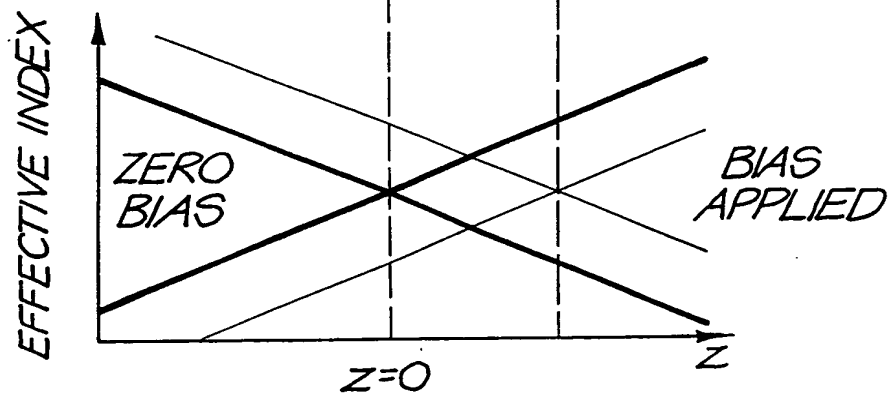


FIG. 4b

4/6

EFFECTIVE INDEX (SOLID) & MAXIMUM CORE  
REFRACTIVE INDEX (DASHED) OF A  $TEM_{01}^*$  LASER  
WRITTEN WAVEGUIDE AS A FUNCTION OF WRITING  
VELOCITY.

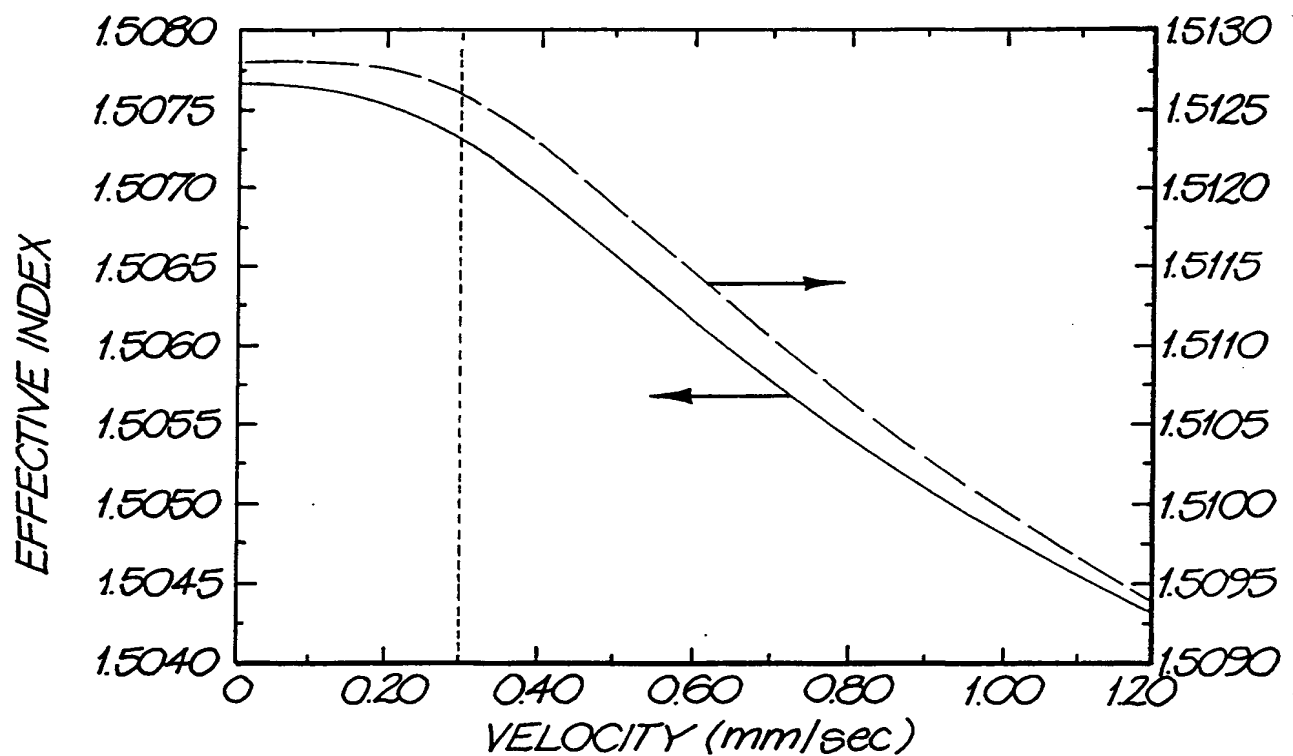


FIG. 5

5/6

COMPARISON OF COUPLING STRENGTHS,  $K(0)$ , FOR  $TEM_{01}^*$  (SOLID) &  $TEM_{00}$  (DASHED) LASER WRITTEN DIRECTIONAL COUPLERS WITH EQUAL WAVEGUIDE SEPARATION & EXPOSURE.

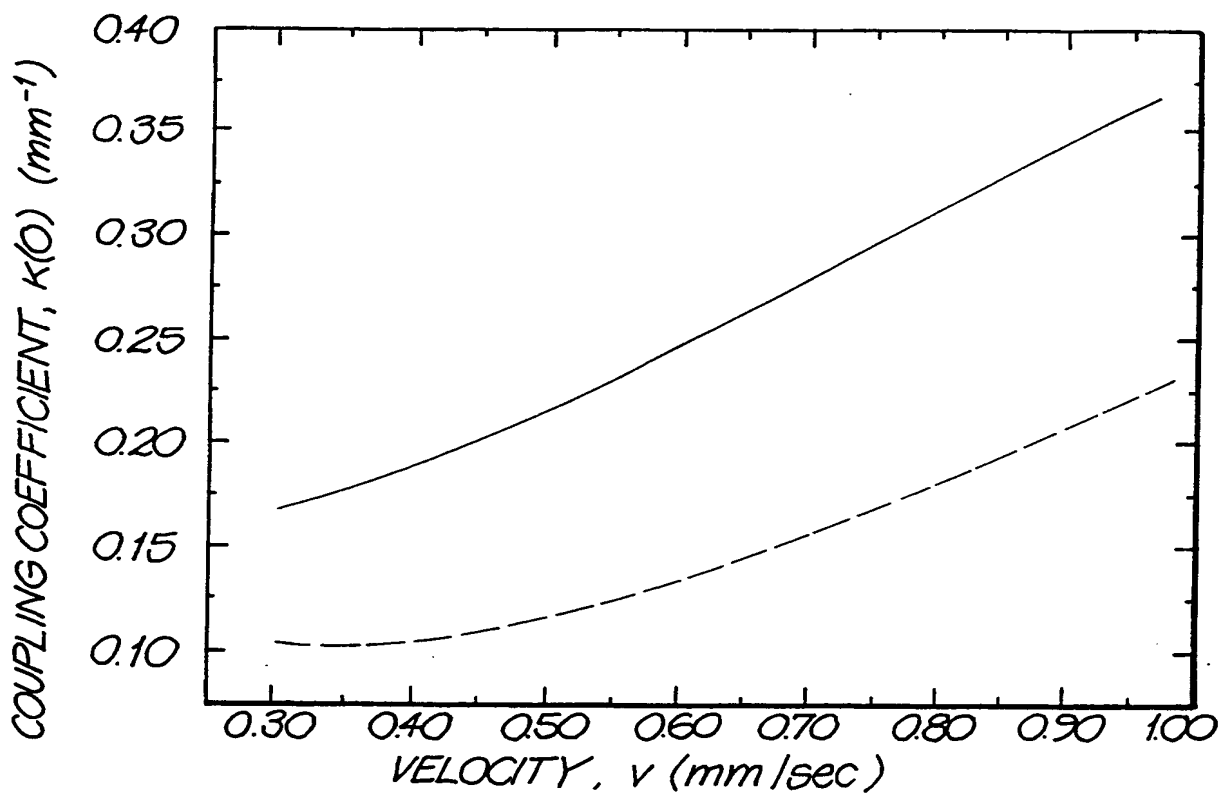


FIG. 6

6/6

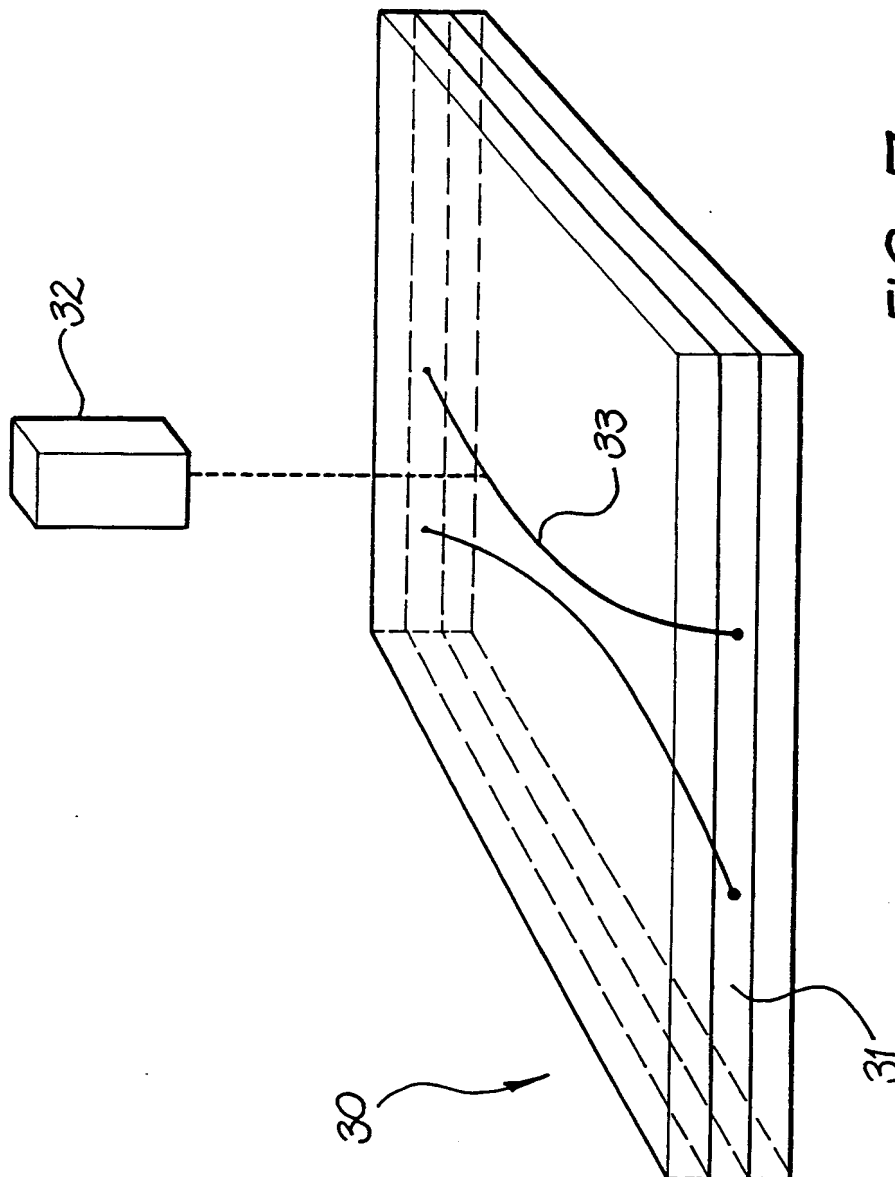


FIG. 7